

- Legal Requirements Affecting Permitting and Operation of OTC Facilities
 - Warren-Alquist Act
 - CEQA
 - Porter-Cologne Water Quality Control Act
 - Federal Clean Water Act
 - California Coastal Act/McAteer-Petris Act
 - Federal and State Endangered Species Acts
 - Magnuson-Stevens Fishery Management and Conservation Act



- Warren-Alquist Act
 - Applies to Energy Commission jurisdictional projects - those that are 50 MW or greater
 - Requires findings on the project's conformity with applicable local, regional, state, and federal laws.
 - Includes additional requirements for projects located within the Coastal Zone
 - Provides that the Energy Commission is the Lead Agency under CEQA



ONCE-THROUGH COOLING

CEQA

- Requires Lead Agency to conduct review of potential environmental impacts
- Mitigation for significant adverse effects is required unless infeasible; override findings required for projects with significant unmitigable effects
- Project impacts are compared to a "baseline" of existing conditions



- Porter-Cologne
 - Establishes State policy for new or expanded projects using ocean water
 - Requires "minimization" of intake and mortality of all forms of marine life by feasible measures
 - Implemented by the Regional Boards



- Federal Clean Water Act Overview
 - Requires NPDES Permits for a broad variety of point and non-point sources
 - Section 316(a) imposes specific requirements for thermal discharge
 - Section 316 (b) imposes specific cooling water intake structure requirements



- Federal Clean Water Act 316(b)
 - Implemented by Regional Boards as part of NPDES permit program
 - Requires "Best Technology Available" for minimizing adverse environmental impact; no baseline requirement
 - Standards for implementing BTA have been the subject of much litigation
 - New rules for existing facilities issued February 16, 2004; no decision yet in cases challenges the rules



- Federal Clean Water Act 316(b) Standards
 - 80 95% reduction in impingement
 - 60 90% reduction in entrainment
 - 4 compliance options
 - Data submission requirements
 - Measurement requirements
 - Restoration allowed



- California Coastal Act
 - Coastal Commission provides suitability report addressing 7 specific issues
 - Energy Commission must include provisions identified by the Coastal Commission unless they are infeasible or would cause greater environmental harm
 - Specific Coastal Act policies require minimization of entrainment effects and enhancement and restoration of marine resources



- McAteer-Petris Act
 - Process for Bay Conservation and Development Commission is similar to that for the Coastal Commission
 - No policy directly addressing once-through cooling



- Other Legal Requirements
 - Federal and State Endangered Species Acts
 - Magnuson-Stevens Fishery Management and Conservation Act



- Several factors complicate review of California power plants using once-through cooling
 - Facilities are located in different marine environments and may have different types of impacts on the marine environment
 - No single agency has regulatory authority over all
 21 power plants using once-through cooling
 - Different agencies have different regulatory roles